

Title (en)
Solid soap

Title (de)
Feste Seife

Title (fr)
Savon solide

Publication
EP 2620488 A1 20130731 (EN)

Application
EP 13152535 A 20130124

Priority
• JP 2012013044 A 20120125
• JP 2012020438 A 20120202

Abstract (en)
The object of the present invention is to improve the solidification point and the hardness of a soap of the fatty acid soap series wherein the percentage of potassium used as the counter ion is large. The solid soap of the present invention to achieve the above-described object is characterized by comprising 1 to 5 mass % of a betaine, and in that sodium and potassium are contained as the fatty acid counter ion, and potassium is 20 mole % or more of the counter ion.

IPC 8 full level
C11D 9/02 (2006.01); **C11D 9/30** (2006.01)

CPC (source: EP US)
C11D 9/02 (2013.01 - EP US); **C11D 9/262** (2013.01 - US); **C11D 9/30** (2013.01 - EP US)

Citation (applicant)
• JP 2001040390 A 20010213 - NOF CORP
• WO 2004029190 A1 20040408 - P & PF CO LTD [JP], et al

Citation (search report)
• [XA] EP 1219701 A1 20020703 - SHISEIDO HONECAKE INDUSTRY CO [JP], et al
• [A] US 2010069277 A1 20100318 - MCFANN GREGORY JAY [US], et al
• [A] WO 9409107 A1 19940428 - PROCTER & GAMBLE [US]
• [A] US 5264145 A 19931123 - FRENCH DAWN M [US], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2620488 A1 20130731; **EP 2620488 B1 20161207**; JP 2013173807 A 20130905; JP 5919855 B2 20160518; US 2013190220 A1 20130725; US 8697620 B2 20140415

DOCDB simple family (application)
EP 13152535 A 20130124; JP 2012020438 A 20120202; US 201313745969 A 20130121